

**22.** The computer-readable media of claim 18, wherein the identity module determines the application identifier associated with each of a plurality of files and system settings, said plurality of files and system settings representing the application program.

**23.** A computer-readable medium having stored thereon a data structure representing a manifest specifying access rights of an application program to access a plurality of resources, said data structure comprising:

- a first field storing a value representing an identity corresponding to the application program;
- a second field storing a list of resources associated with the application program; and
- a third field storing a privilege associated with the identity from the first field and with the list of resources stored in the second field, said privilege defining an access right of the application program to access each resource in the list of resources.

**24.** The computer-readable medium of claim 23, wherein the first field stores the value based on one or more of the following: a version, a central processing unit, and a public key.

**25.** The computer-readable medium of claim 23, wherein the second field stores the list of resources comprising one or more of the following: a file, a directory, a named object, and a system setting.

**26.** The computer-readable medium of claim 23, wherein the third field stores the privilege representing a declaration of intent.

**27.** A system for granting an application access to a system resource, said system comprising:

- a memory area to store a manifest, said manifest mapping an application identifier and a resource to a privilege, said application identifier being associated with an application program;
- a processor configured to execute computer-executable instructions to:

determine, responsive to a request from the application program for the resource, the privilege from the manifest stored in the memory area as a function of the application identifier and the resource; and

grant the application program access to the resource according to the determined privilege.

**28.** The system of claim 27, wherein the resource comprises one or more of the following: a file, a directory, a network socket, a name in the system namespace, a named object, and a system setting.

**29.** The system of claim 28, wherein the named object comprises an object identified by one or more of the fol-

lowing: alphabetic data, numeric data, alphanumeric data, and non-human readable data.

**30.** The system of claim 27, wherein the application program comprises a plurality of files and system settings, and wherein the application identifier is associated with each of the plurality of files and system settings.

**31.** The system of claim 27, wherein the memory area further stores a copy of the resource, wherein the privilege specifies write access, and wherein the processor is configured to execute computer-executable instructions to grant the application program write access to the copy of the resource.

**32.** A method of uninstalling a particular application program and associated system settings and objects from a computing system, said particular application program having at least one file associated therewith, said particular application program being one of a plurality of application programs installed on the computing system, said method comprising:

receiving a request to uninstall the particular application program;

determining an identifier associated with the particular application program;

identifying, via the determined identifier, a file associated only with the particular application program of the plurality of application programs, said identified file having the determined identifier associated therewith; and

deleting the identified file.

**33.** The method of claim 32, further comprising:

identifying, via the determined identifier, one or more resource changes applied in response to installing the particular application program; and

reverting the identified resource changes.

**34.** The method of claim 33, further comprising maintaining a log of the applied resource changes.

**35.** The method of claim 34, wherein identifying the one or more resource changes comprises identifying a file type association, and wherein reverting the identified resource changes comprises reverting the file type association to a previous association maintained in the log.

**36.** The method of claim 32, wherein identifying the file associated only with the particular application program of the plurality of application programs comprises identifying one or more objects associated only with the particular application program of the plurality of application programs.

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